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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 12	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 17	JUL 28	CA/CAplus patent coverage enhanced
NEWS 18	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 20	JUL 28	STN Viewer performance improved
NEWS 21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 22	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 24	AUG 15	CAplus currency for Korean patents enhanced
NEWS 25	AUG 25	CA/CAplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS 26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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FILE 'HOME' ENTERED AT 11:40:20 ON 03 SEP 2008

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

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STRUCTURE FILE UPDATES:    2 SEP 2008  HIGHEST RN 1045894-64-1
DICTIONARY FILE UPDATES:   2 SEP 2008  HIGHEST RN 1045894-64-1

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http://www.cas.org/support/stngen/stndoc/properties.html

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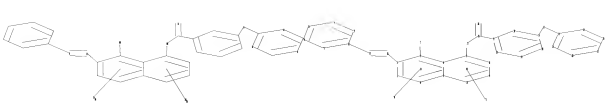

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ring bonds :
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 20-21  21-22  24-25  24-29  25-26  26-27  27-28  28-29  32-33  32-37  33-34  34-35
 35-36  36-37
exact/norm bonds :
2-30  3-12  7-11  11-15  15-16  19-23  23-24  30-31  31-32
exact bonds :
15-17
normalized bonds :
1-2  1-6  2-3  3-4  4-5  4-7  5-6  5-10  7-8  8-9  9-10  17-18  17-22  18-19  19-20
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 35-36  36-37
isolated ring systems :
containing 1 : 17 : 24 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
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L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.
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=> s l1 full
FULL SEARCH INITIATED 11:41:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      1100 TO ITERATE

100.0% PROCESSED     1100 ITERATIONS                              153 ANSWERS
SEARCH TIME: 00.00.01

L2          153 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   178.36     178.57

FILE 'CAPLUS' ENTERED AT 11:41:13 ON 03 SEP 2008
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FILE COVERS 1907 - 3 Sep 2008  VOL 149 ISS 10
FILE LAST UPDATED: 2 Sep 2008  (20080902/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> s l2 full
L3          12 L2

=> d ibib abs hitstr tot
```

L3 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:732716 CAPLUS
DOCUMENT NUMBER: 143:174705
TITLE: Acidic monoazo dyestuffs for printing recording materials, dyeing textiles and plastics
INVENTOR(S): Hasemann, Ludwig
PATENT ASSIGNEE(S): Clariant International Ltd., Switz.; Clariant Finance BVI Limited
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005073323	A1	20050811	WO 2004-IB4292	20041223
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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BR 2004018325	A	20070502	BR 2004-18325	20041223
JP 2007518852	T	20070712	JP 2006-546399	20041223
EP 1704187	A1	20060927	EP 2004-821240	20041229
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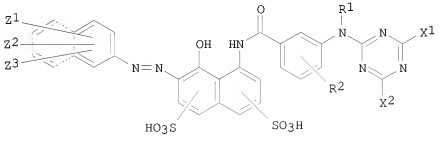
US 20070151479	A1	20070705	US 2006-585231	20060630
PRIORITY APPLN. INFO.:			EP 2004-57 A	20040105
			WO 2004-IB4292 W	20041223

OTHER SOURCE(S): MARPAT 143:174705
GI



I

AB Disclosed are novel dyestuff of the formula (I): wherein R1 is H, C1-4 alkyl, Ph; R2 is H, C1-4 alkyl, C1-4 alkoxy, COOH, COOCH3, CF3, SO3H, CN or SO2NHR6 (R6 is H, C1-4 alkyl, or Ph); X1 and X2 are NR3R4, SR5, or OH; Z1 is H, C1-4 alkyl, C1-4 alkoxy, OH, COOH, COOCH3, CF3, SO3H, amino, alkylamino, CN or SO2NHR'6 (R'6 is H, C1-4 alkyl, Ph); Z2 is H, C1-4 alkyl, C1-4 alkoxy, OH, COOH, SO3H; Z3 is C1-4 alkyl, C1-4 alkoxy, OH, COOH, SO3H as free acid or in salt form, as well as mixts. thereof. These

dyestuffs are useful for printing or dyeing substrates, especially textile fiber
materials, paper and papery substrates and plastic films and plastic transparencies.

IT 861216-74-2P 861216-77-5P 861216-79-7P
861216-80-0P 861216-81-1P 861216-82-2P
861216-83-3P 861216-84-4P 861216-85-5P
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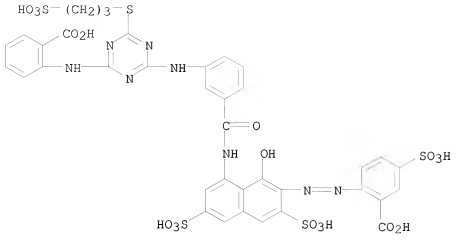
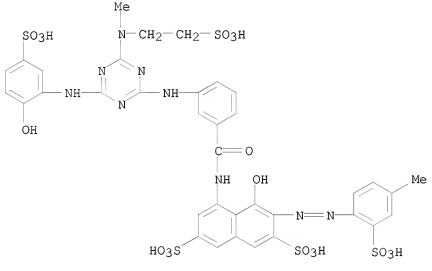
861218-02-2P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dark red dye; preparation of acidic monoazo dyestuffs for ink-jet inks and dyeing textiles and plastics)

RN 861216-74-2 CAPLUS

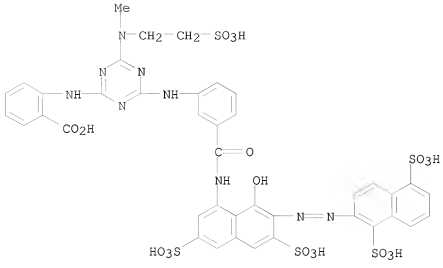
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



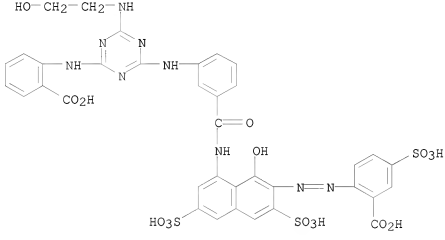
RN 861216-77-5 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(4-methyl-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



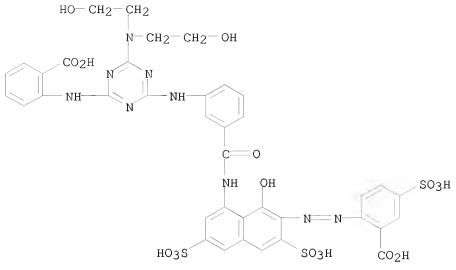
RN 861216-79-7 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-(1,5-disulfo-2-naphthalenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



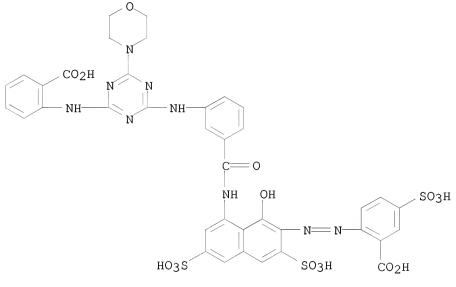
RN 861216-80-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



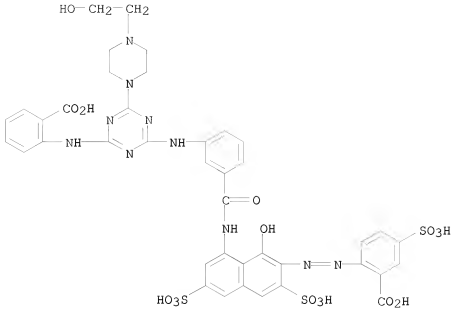
RN 861216-81-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[bis(2-hydroxyethyl)amino]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



RN 861216-82-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



RN 861216-83-3 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[4-(2-hydroxyethyl)-1-piperazinyl]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



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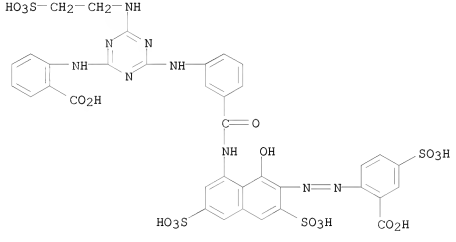
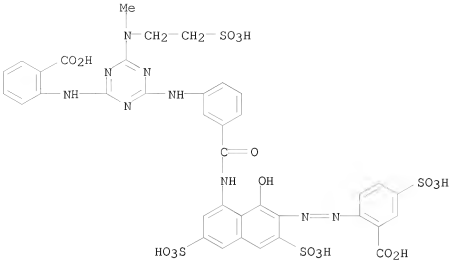
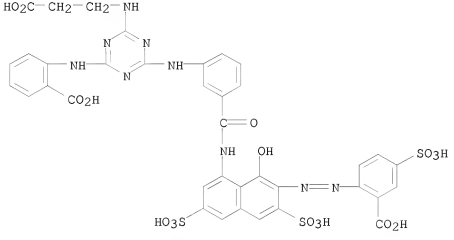
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



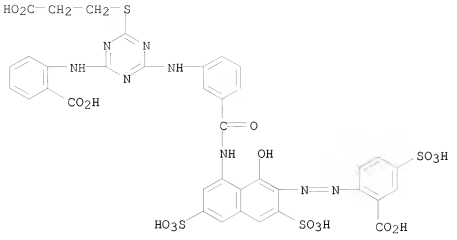
RN 861216-85-5 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



RN 861216-86-6 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



RN 861216-87-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



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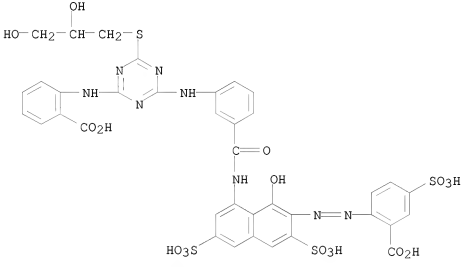
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2,3-dihydroxypropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



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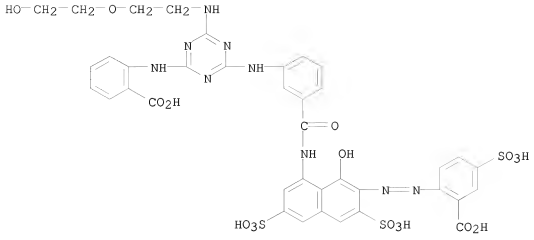

RN 861216-90-2 CAPLUS
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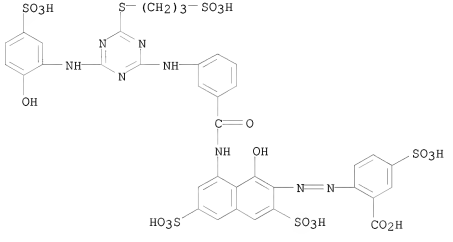
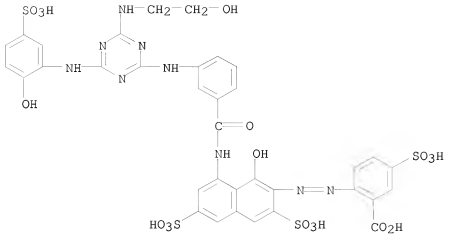
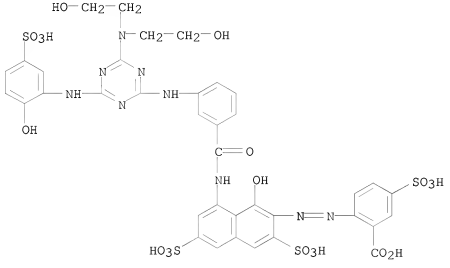


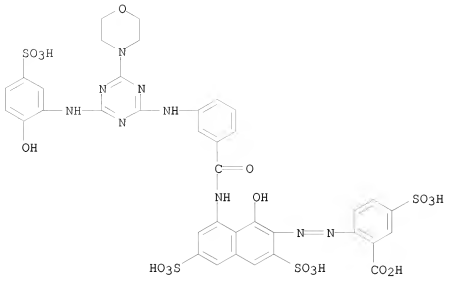
RN 861216-91-3 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxyethyl)amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



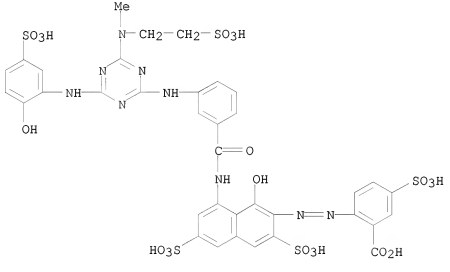
RN 861216-92-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[bis(2-hydroxyethyl)amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



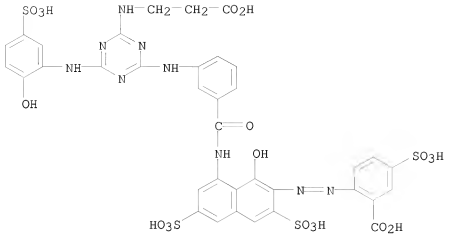
RN 861216-93-5 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



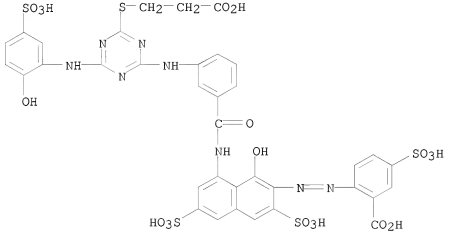
RN 861216-94-6 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



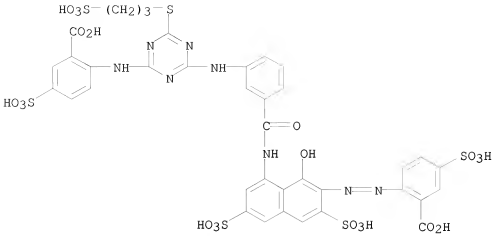
RN 861216-95-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



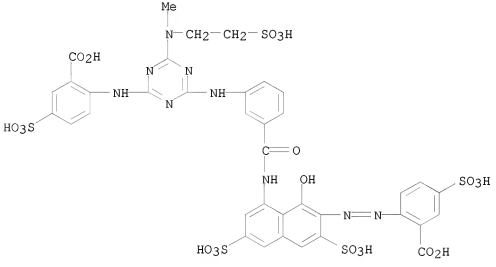
RN 861216-96-8 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



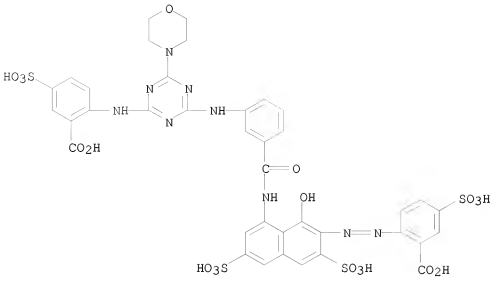
RN 861216-97-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxy-4-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



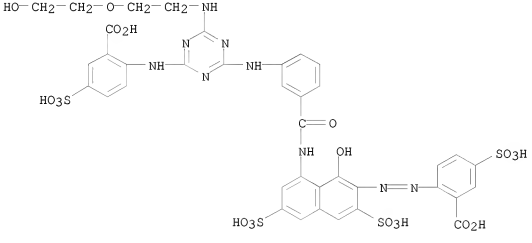
RN 861216-98-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxy-4-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



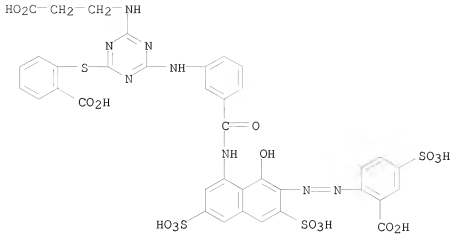
RN 861216-99-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxy-4-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



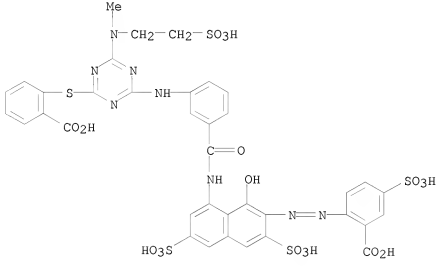
RN 861217-00-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxy-4-sulfophenyl)amino]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



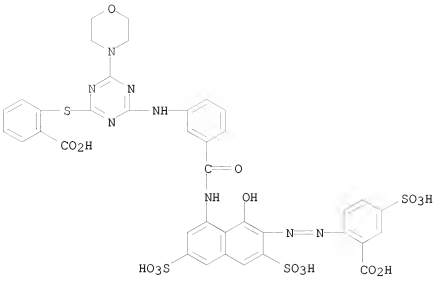
RN 861217-01-8 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-carboxyphenyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



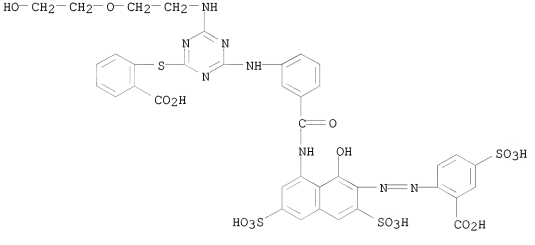
RN 861217-02-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



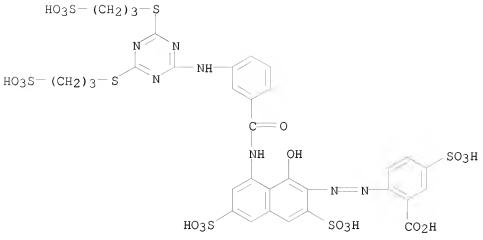
RN 861217-03-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



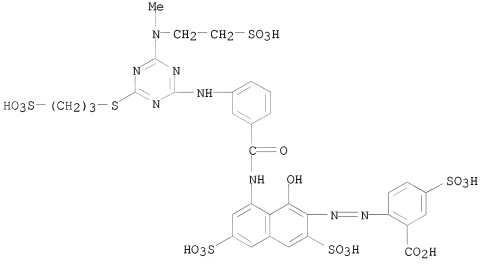
RN 861217-04-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



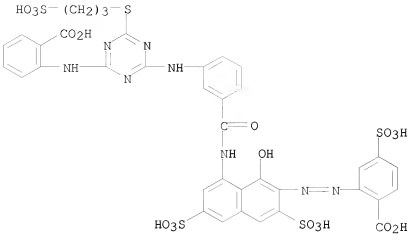
RN 861217-05-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4,6-bis[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



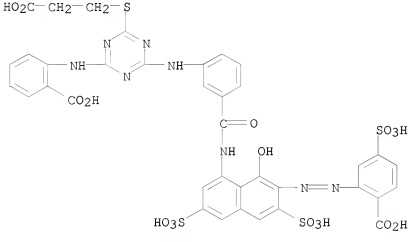
RN 861217-06-3 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[methyl(2-sulfoethyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-sulfo- (CA INDEX NAME)



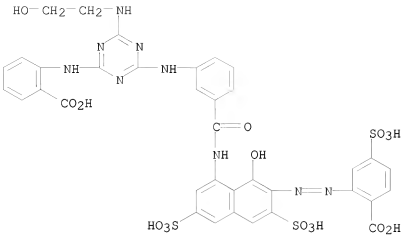
RN 861217-07-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



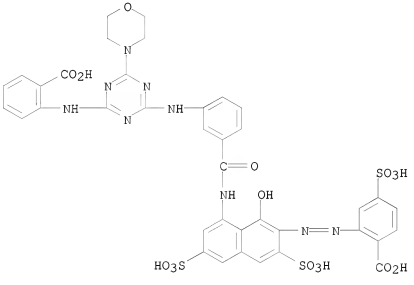
RN 861217-08-5 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



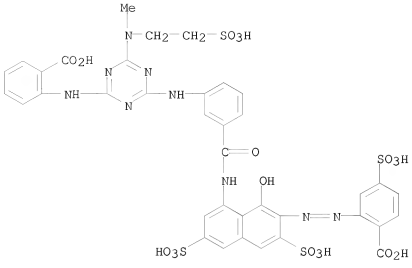
RN 861217-09-6 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



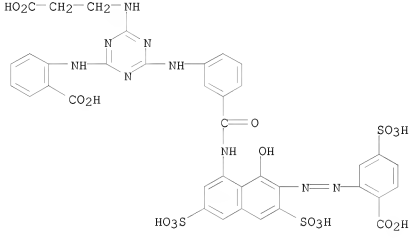
RN 861217-10-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



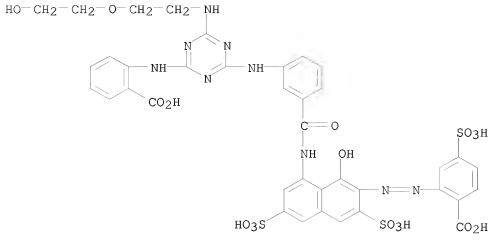
RN 861217-11-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



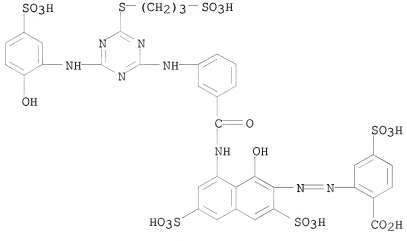
RN 861217-12-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



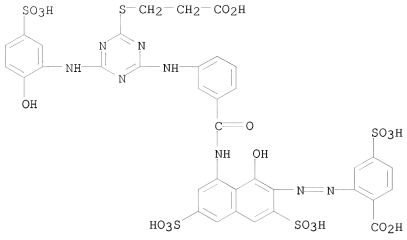
RN 861217-13-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



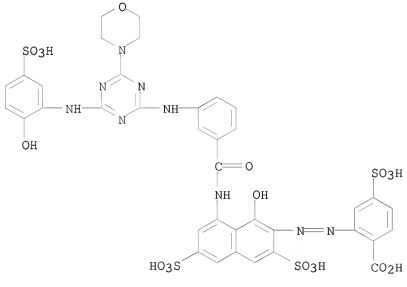
RN 861217-14-3 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



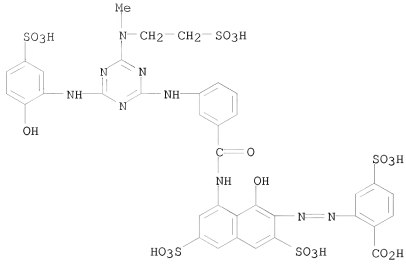
RN 861217-15-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



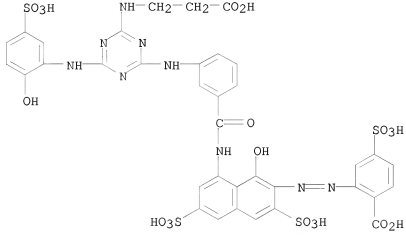
RN 861217-16-5 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



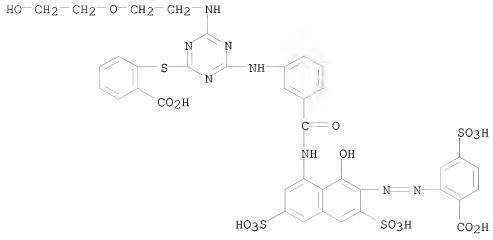
RN 861217-17-6 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



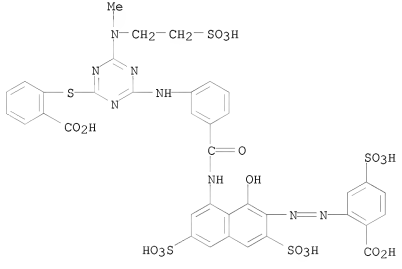
RN 861217-18-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



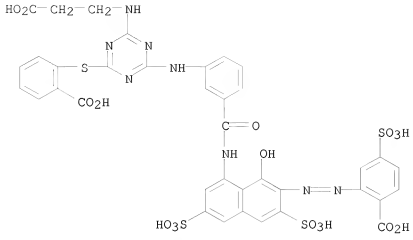
RN 861217-19-8 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



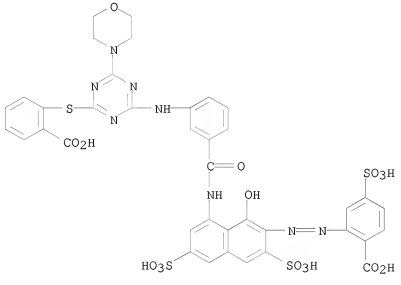
RN 861217-20-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



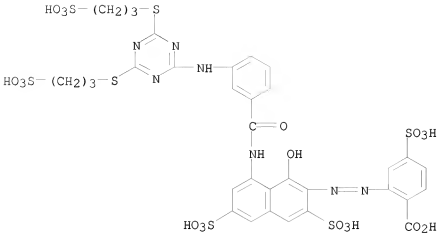
RN 861217-21-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-carboxyphenyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



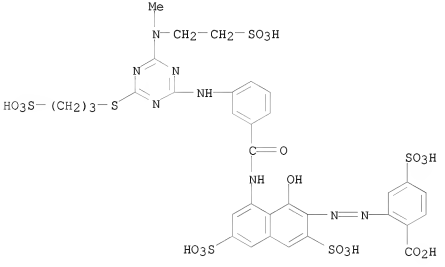
RN 861217-22-3 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)thio]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



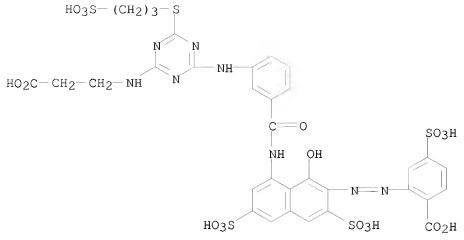
RN 861217-23-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4,6-bis[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



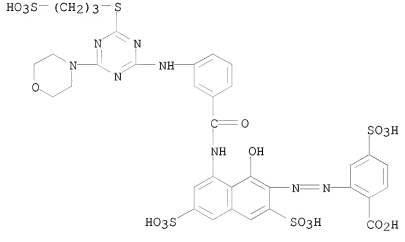
RN 861217-24-5 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[methyl(2-sulfoethyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



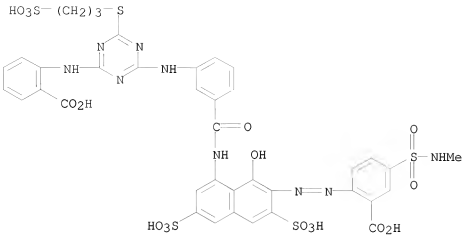
RN 861217-25-6 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



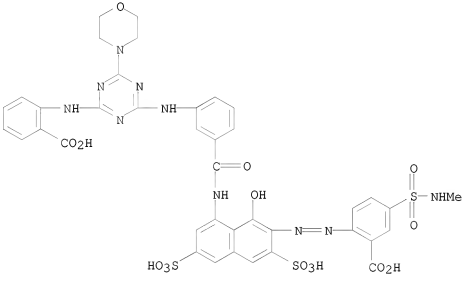
RN 861217-26-7 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-(4-morpholinyl)-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-4-sulfo- (CA INDEX NAME)



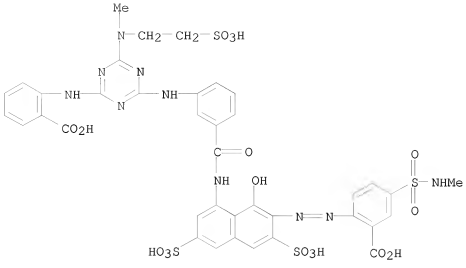
RN 861217-27-8 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



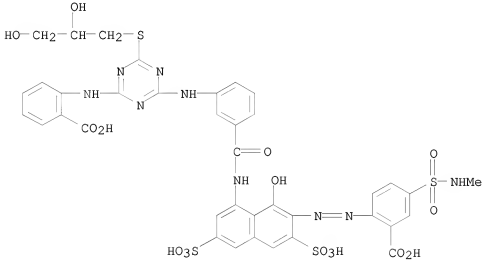
RN 861217-28-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



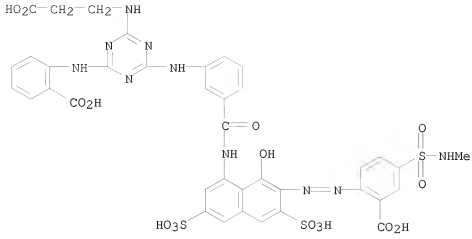
RN 861217-29-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



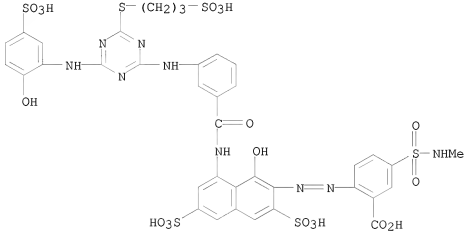
RN 861217-30-3 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2,3-dihydroxypropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



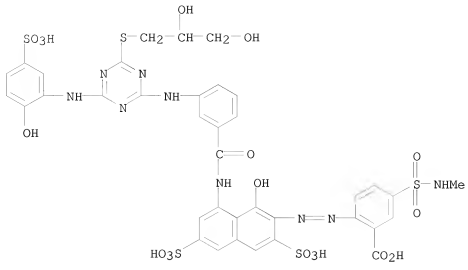
RN 861217-31-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)amino]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



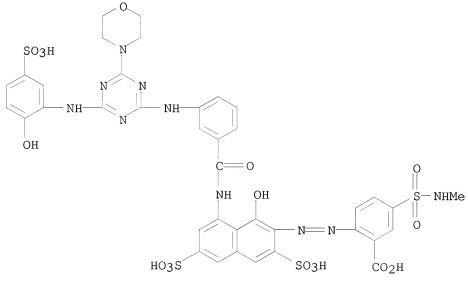
RN 861217-32-5 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



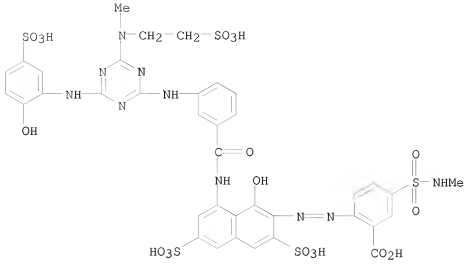
RN 861217-33-6 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2,3-dihydroxypropyl)thio]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



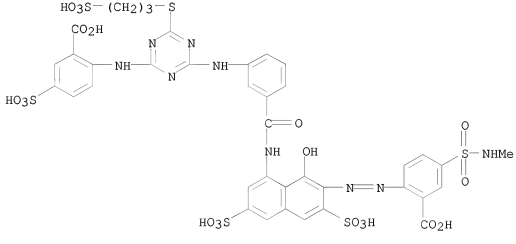
RN 861217-34-7 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



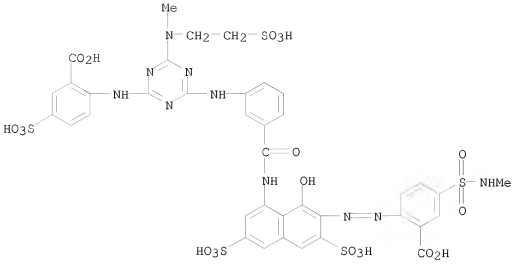
RN 861217-35-8 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



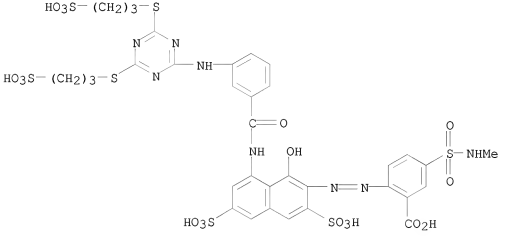
RN 861217-36-9 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-[2-carboxy-4-[(methylamino)sulfonyl]phenyl]diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]-5-sulfo- (CA INDEX NAME)



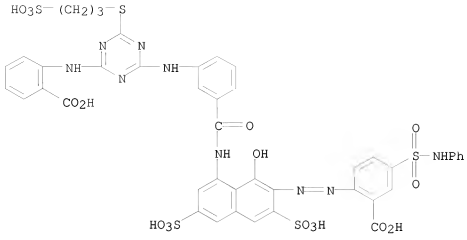
RN 861217-37-0 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-[2-carboxy-4-[(methylamino)sulfonyl]phenyl]diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]-5-sulfo- (CA INDEX NAME)



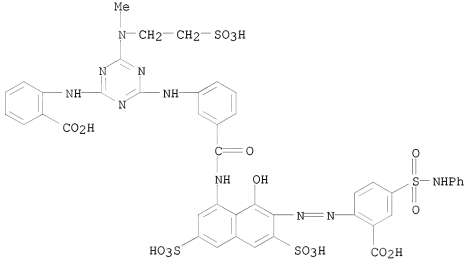
RN 861217-39-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4,6-bis[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(methylamino)sulfonyl]- (CA INDEX NAME)



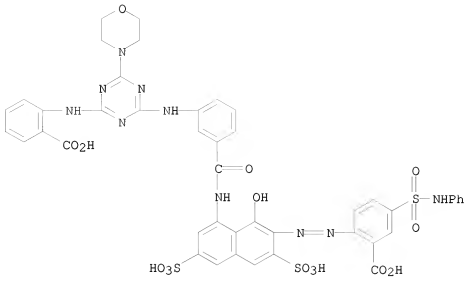
RN 861217-40-5 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



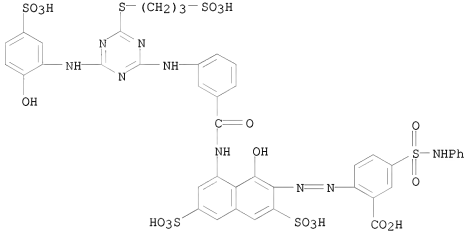
RN 861217-41-6 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



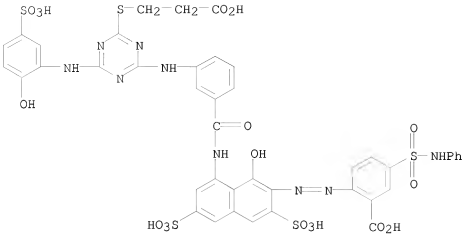
RN 861217-42-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



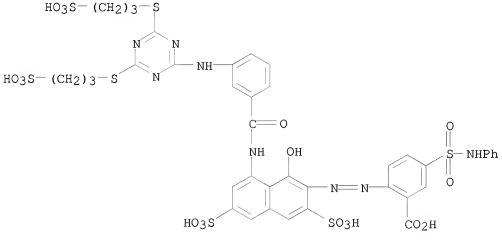
RN 861217-43-8 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



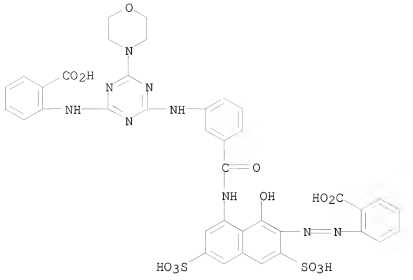
RN 861217-44-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



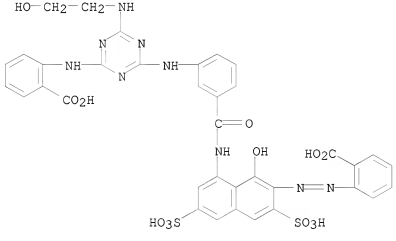
RN 861217-45-0 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4,6-bis[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]-5-[(phenylamino)sulfonyl]- (CA INDEX NAME)



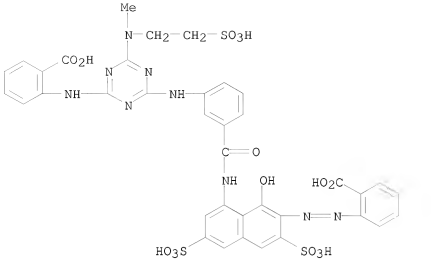
RN 861217-46-1 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



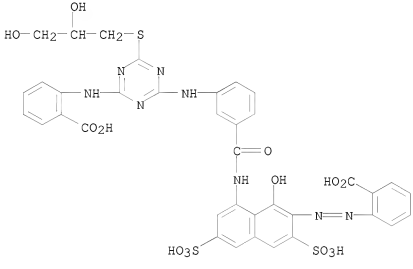
RN 861217-47-2 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



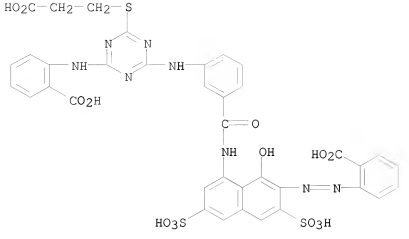
RN 861217-48-3 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



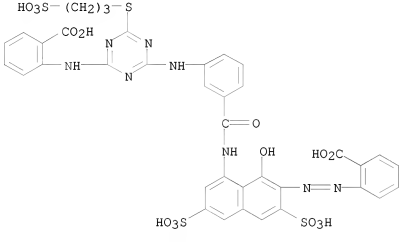
RN 861217-49-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(2,3-dihydroxypropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



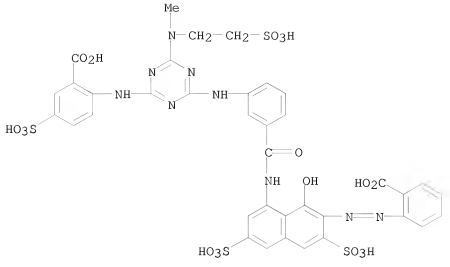
RN 861217-50-7 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyethyl)thio]-6-[(2-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



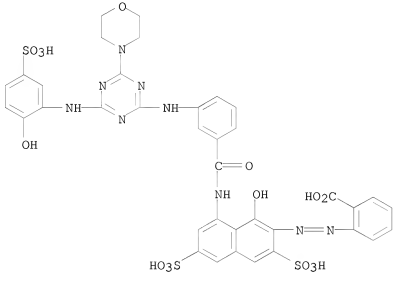
RN 861217-52-9 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



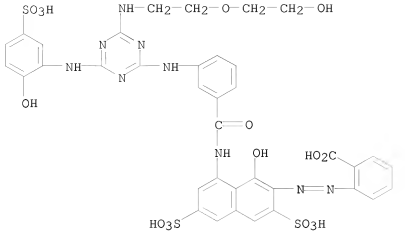
RN 861217-54-1 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-(2-carboxyphenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]-5-sulfo- (CA INDEX NAME)



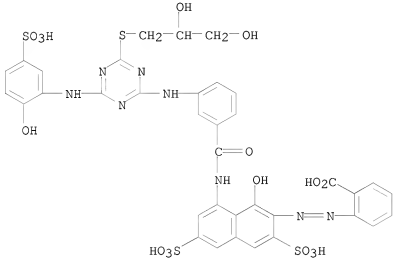
RN 861217-55-2 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



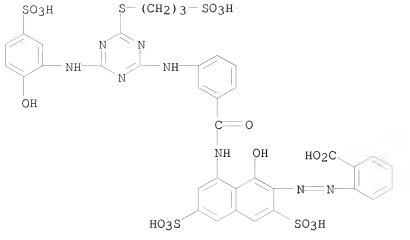
RN 861217-56-3 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[[2-(2-hydroxyethoxy)ethyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



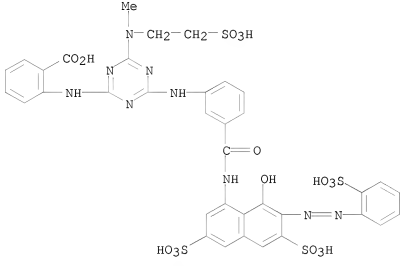
RN 861217-57-4 CAPLUS
CN Benzoic acid, 2-[2-[8-[[3-[[4-[(2,3-dihydroxypropyl)thio]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



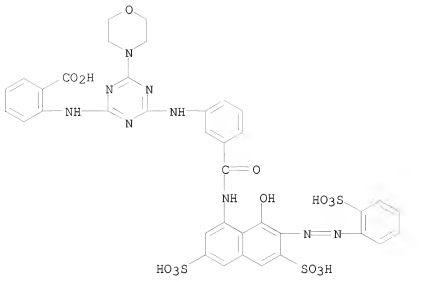
RN 861217-58-5 CAPLUS
CN Benzoic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



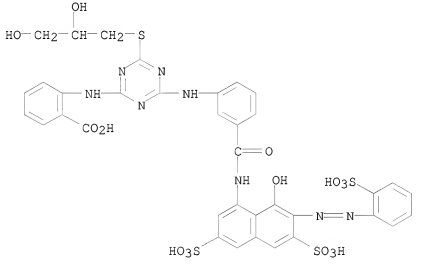
RN 861217-60-9 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



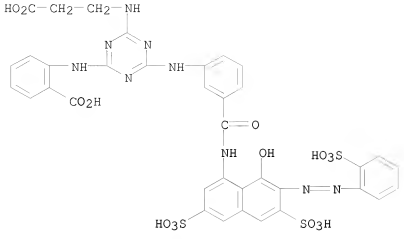
RN 861217-61-0 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



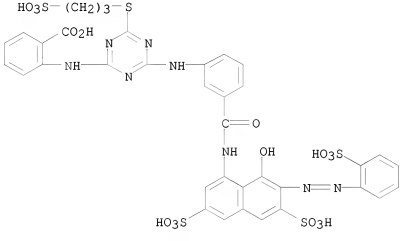
RN 861217-62-1 CAPLUS
CN Benzoic acid, 2-[[4-[(2,3-dihydroxypropyl)thio]-6-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



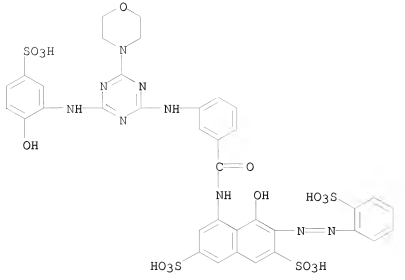
RN 861217-63-2 CAPLUS
CN Benzoic acid, 2-[[4-[(2-carboxyethyl)amino]-6-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



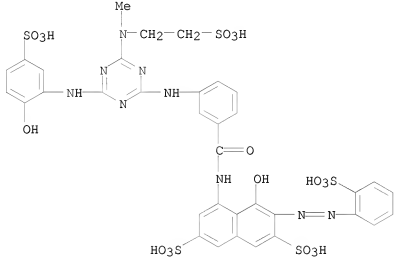
RN 861217-66-5 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



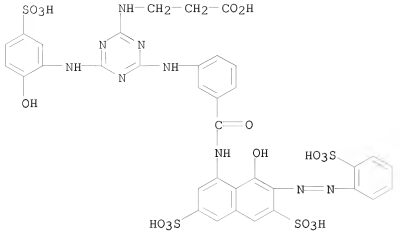
RN 861217-67-6 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2-sulfophenyl)diazenyl]- (CA INDEX NAME)



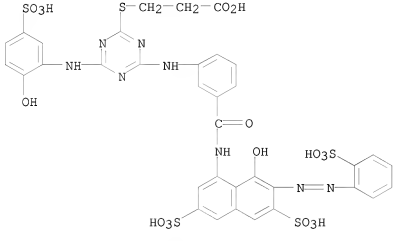
RN 861217-68-7 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2-sulfophenyl)diazenyl]- (CA INDEX NAME)



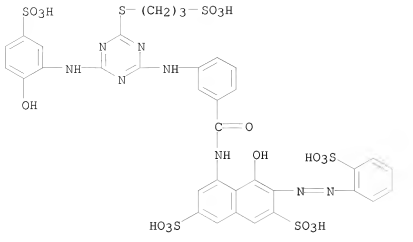
RN 861217-69-8 CAPLUS
CN β-Alanine, N-[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[(2-sulfophenyl)azo]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



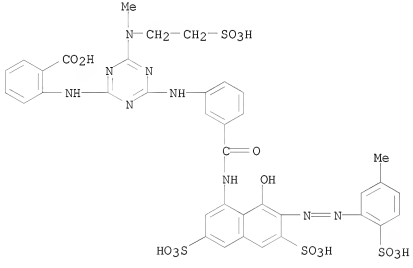
RN 861217-70-1 CAPLUS
CN Propanoic acid, 3-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(2-sulfophenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]thio]- (CA INDEX NAME)



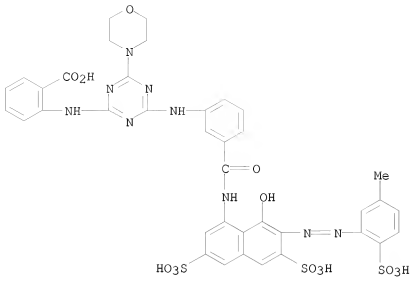
RN 861217-71-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2-sulfophenyl)diazenyl]- (CA INDEX NAME)



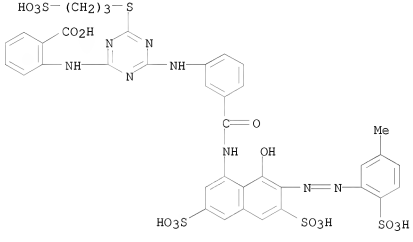
RN 861217-72-3 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(5-methyl-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



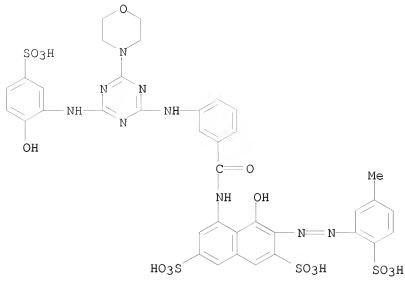
RN 861217-73-4 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(5-methyl-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



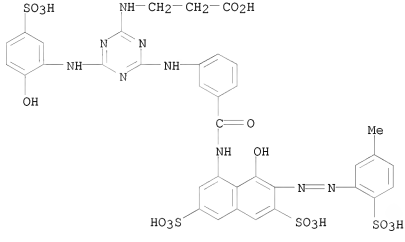
RN 861217-74-5 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(5-methyl-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



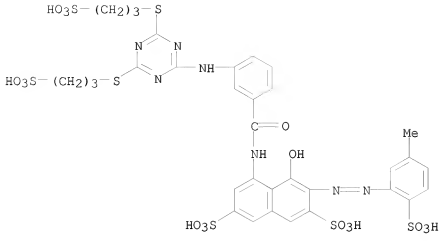
RN 861217-75-6 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(5-methyl-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



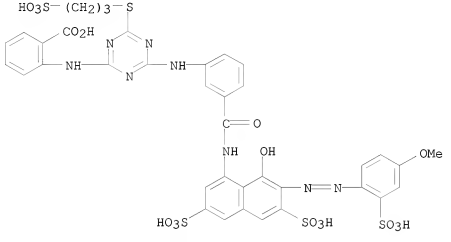
RN 861217-76-7 CAPLUS
CN β-Alanine, N-[4-[[3-[[[8-hydroxy-7-[(5-methyl-2-sulfophenyl)azo]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



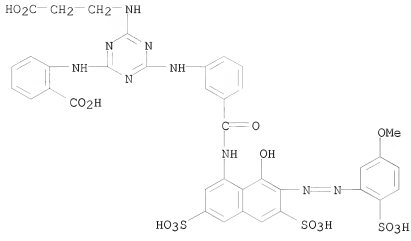
RN 861217-77-8 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4,6-bis[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(5-methyl-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



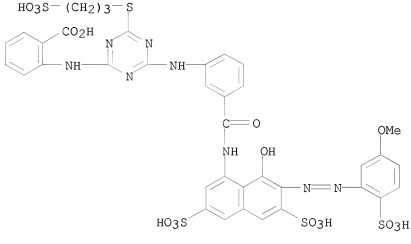
RN 861217-78-9 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(4-methoxy-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



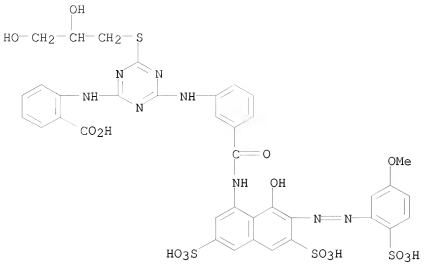
RN 861217-79-0 CAPLUS
CN Benzoic acid, 2-[[4-[(2-carboxyethyl)amino]-6-[[3-[[[8-hydroxy-7-[2-(5-methoxy-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



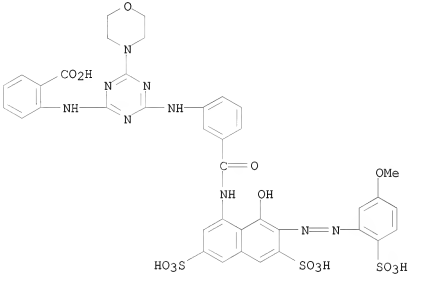
RN 861217-80-3 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(5-methoxy-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



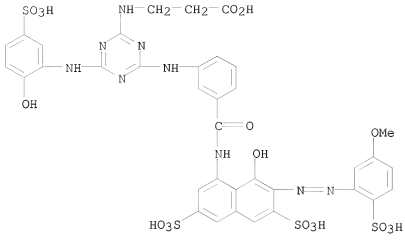
RN 861217-81-4 CAPLUS
CN Benzoic acid, 2-[[4-[(2,3-dihydroxypropyl)thio]-6-[[3-[[[8-hydroxy-7-[2-(5-methoxy-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



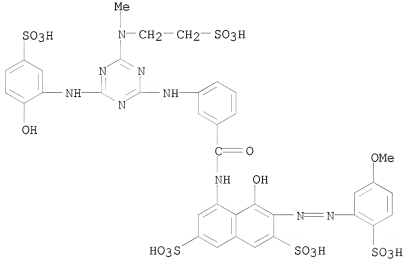
RN 861217-82-5 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-7-[2-(5-methoxy-2-sulfophenyl)diazenyl]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



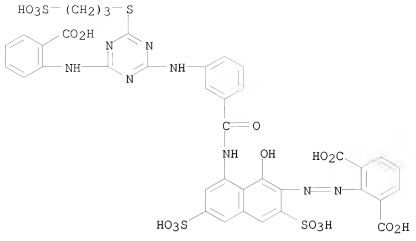
RN 861217-83-6 CAPLUS
CN β-Alanine, N-[4-[[3-[[[8-hydroxy-7-[(5-methoxy-2-sulfophenyl)azo]-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



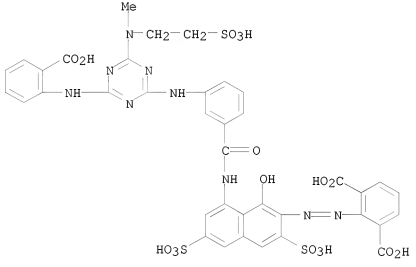
RN 861217-84-7 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(5-methoxy-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



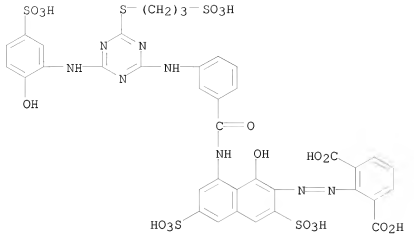
RN 861217-85-8 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



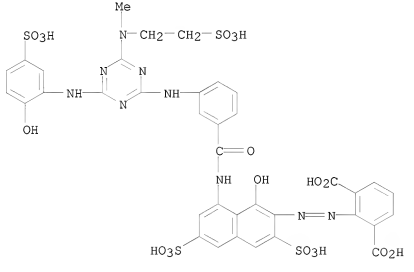
RN 861217-86-9 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[2-[8-[[3-[[4-[(2-carboxyphenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



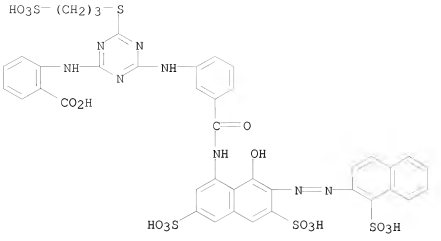
RN 861217-87-0 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



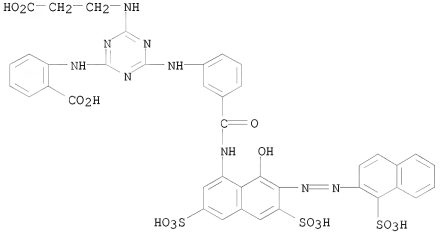
RN 861217-88-1 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



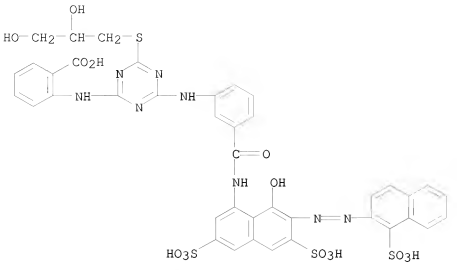
RN 861217-89-2 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(1-sulfo-2-naphthalenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



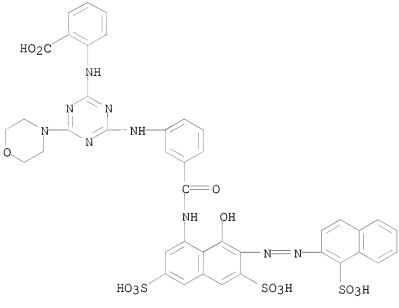
RN 861217-90-5 CAPLUS
CN Benzoic acid, 2-[[4-[(2-carboxyethyl)amino]-6-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(1-sulfo-2-naphthalenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



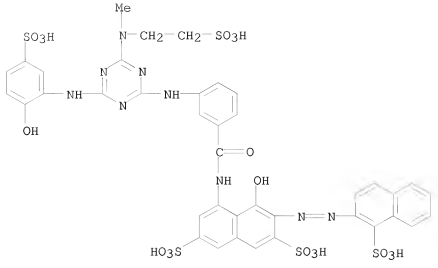
RN 861217-91-6 CAPLUS
CN Benzoic acid, 2-[[4-[(2,3-dihydroxypropyl)thio]-6-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(1-sulfo-2-naphthalenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



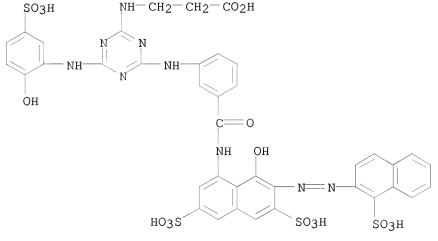
RN 861217-92-7 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[2-(1-sulfo-2-naphthalenyl)diazenyl]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



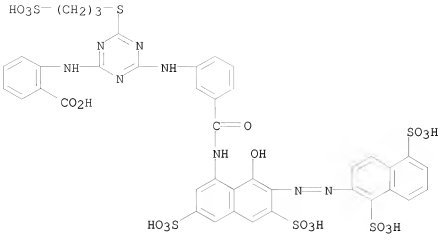
RN 861217-93-8 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4-hydroxy-5-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(1-sulfo-2-naphthalenyl)diazenyl]- (CA INDEX NAME)



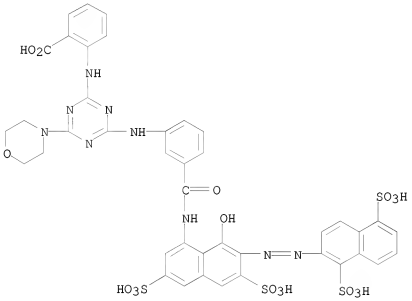
RN 861217-94-9 CAPLUS
CN β-Alanine, N-[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[(1-sulfo-2-naphthalenyl)azo]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



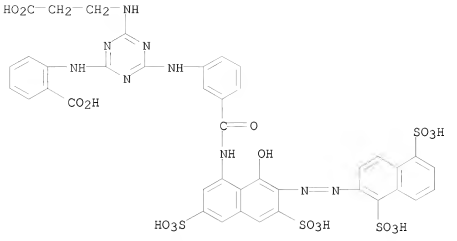
RN 861217-95-0 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-(1,5-disulfo-2-naphthalenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(3-sulfopropyl)thio]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



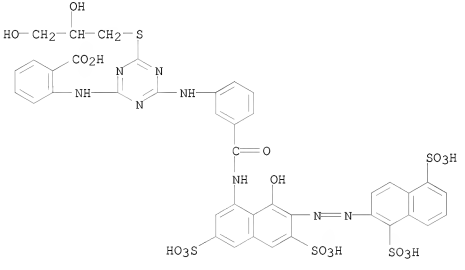
RN 861217-97-2 CAPLUS
CN Benzoic acid, 2-[[4-[[3-[[[7-[2-(1,5-disulfo-2-naphthalenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



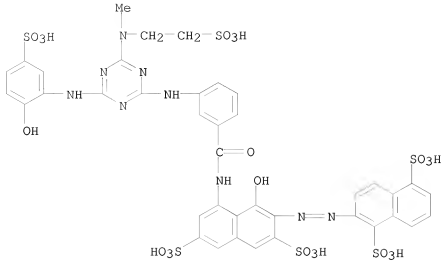
RN 861217-99-4 CAPLUS
CN Benzoic acid, 2-[[4-[(2-carboxyethyl)amino]-6-[[3-[[[7-[2-(1,5-disulfo-2-naphthalenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



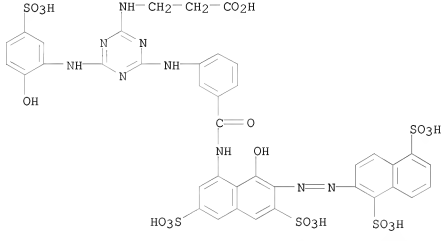
RN 861218-00-0 CAPLUS
CN Benzoic acid, 2-[[4-[(2,3-dihydroxypropyl)thio]-6-[[3-[[[7-[2-(1,5-disulfo-2-naphthalenyl)diazenyl]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (CA INDEX NAME)



RN 861218-01-1 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, 2-[2-[1-hydroxy-8-[[3-[[4-[(2-hydroxy-5-sulfophenyl)amino]-6-[methyl(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



RN 861218-02-2 CAPLUS
CN β-Alanine, N-[4-[[3-[[[7-[(1,5-disulfo-2-naphthalenyl)azo]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[(2-hydroxy-5-sulfophenyl)amino]-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)

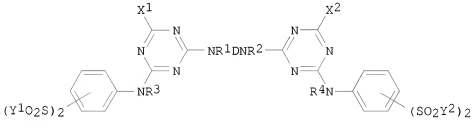


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:256277 CAPLUS
DOCUMENT NUMBER: 124:319668
ORIGINAL REFERENCE NO.: 124:59237a,59240a
TITLE: Reactive triazine dyes and dyeing or printing of fibers with them
INVENTOR(S): Omura, Takashi
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08034932	A	19960206	JP 1995-52447	19950313
JP 2590778	B2	19970312		

PRIORITY APPLN. INFO.: JP 1995-52447 19950313
OTHER SOURCE(S): MARPAT 124:319668
GI



I

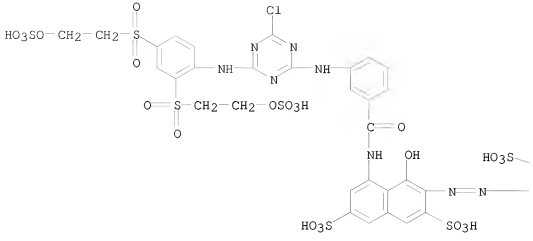
AB Triazines I [R1-4 = H, (un)substituted alkyl; X1-2 = Cl, F, (un)substituted aliphatic aromatic amino, C1-4 alkoxy, (un)substituted PhO; Y1-2 = (CH2)2L, vinyl; D = azo-, anthraquinone-, phthalocyanine-, formazan-, or dioxazine-type anionic dye residue; L = leaving group activated by alkali] are prepared and used for dyeing or printing of fibers, especially cotton, to give colored fibers with good fastness.

IT 176206-48-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(in preparation of reactive triazine dyes)

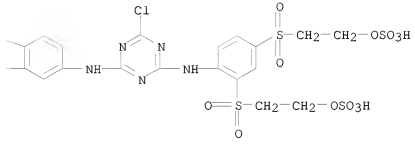
RN 176206-48-7 CAPLUS

CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[[2,4-bis[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-[5-[[4-[[2,4-bis[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]diazenyl]-4-hydroxy- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L3 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:559678 CAPLUS
DOCUMENT NUMBER: 122:293409
ORIGINAL REFERENCE NO.: 122:53459a,53462a
TITLE: Water-soluble reactive azo dyes, their preparation and their use
INVENTOR(S): Reither, Uwe; Dannheim, Joerg; Russ, Werner Hubert
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 624630	A1	19941117	EP 1994-106831		19940502
R: CH, DE, GB, LI					
DE 4316001	A1	19941117	DE 1993-4316001		19930513
DE 4318755	A1	19941208	DE 1993-4318755		19930605
JP 07048521	A	19950221	JP 1994-98399		19940512
PRIORITY APPLN. INFO.:			DE 1993-4316001	A	19930513
			DE 1993-4318755	A	19930605

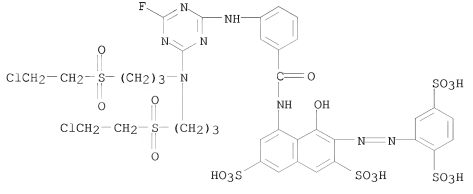
OTHER SOURCE(S): MARPAT 122:293409

AB The dyes contain ≥1 4-chloro(or fluoro)-6-[bis[3-(vinylsulfonyl)propyl]amino]-1,3-5-triazinyl-2-amino group (the vinylsulfonyl group may be replaced by a group convertible thereto) and are obtained for dyeing and printing of textiles in fast shades. Thus, 4-(3,6,8-trisulfo-2-naphthylazo)-3-ureidoaniline was condensed with cyanuric fluoride (1:1) and the product was treated with N,N-bis[3-(2-chloroethylsulfonyl)propyl]amine hydrochloride to give a fast gold-yellow reactive dye (λmax 418 nm) for cellulosics.

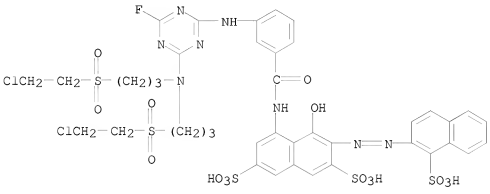
IT 163153-70-6P 163153-71-7P 163153-72-8P
163153-73-9P 163153-74-0P 163153-75-1P
163153-76-2P 163153-77-3P 163154-07-2P
163154-08-3P 163154-09-4P 163154-10-7P
163154-11-8P 163154-12-9P 163154-13-0P
163154-31-2P 163154-32-3P
RL: IMF (Industrial manufacture); PREP (Preparation)
(production of water-soluble reactive dyes)

RN 163153-70-6 CAPLUS

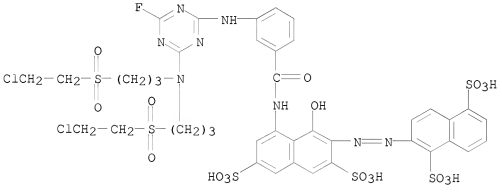
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2,5-disulfophenyl)diazenyl]-4-hydroxy- (CA INDEX NAME)



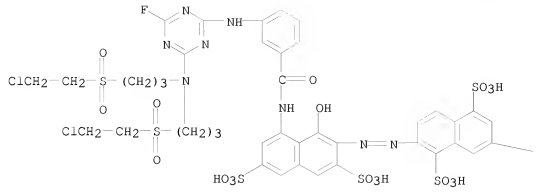
RN 163153-71-7 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(1-sulfo-2-naphthalenyl)diazenyl]- (CA INDEX NAME)



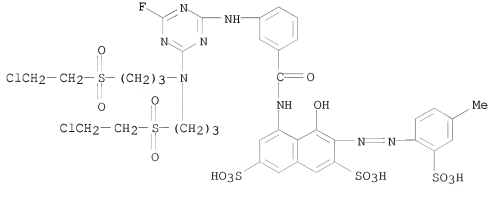
RN 163153-72-8 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, 2-[2-[8-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



RN 163153-73-9 CAPLUS
CN 1,3,5-Naphthalenetrisulfonic acid, 6-[2-[8-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)

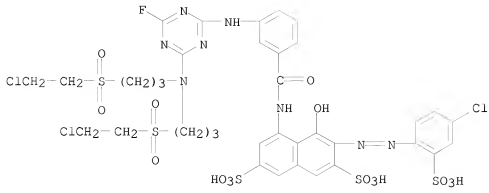


RN 163153-74-0 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methyl-2-sulfophenyl)diazenyl]- (CA INDEX NAME)

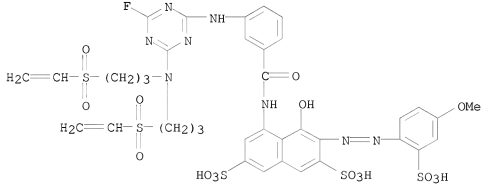


RN 163153-75-1 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(4-chloro-2-sulfophenyl)diazenyl]-4-hydroxy-

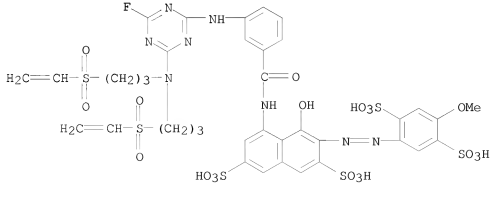
(CA INDEX NAME)



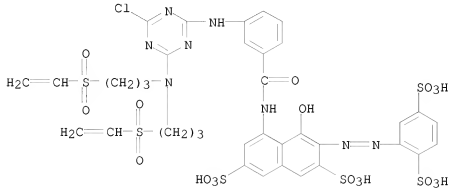
RN 163153-76-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methoxy-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



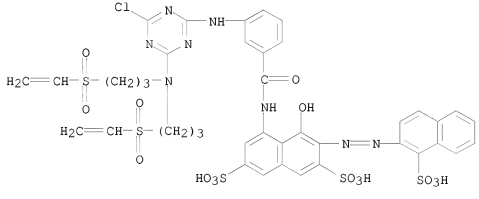
RN 163153-77-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methoxy-2,5-disulfophenyl)diazenyl]- (CA INDEX NAME)



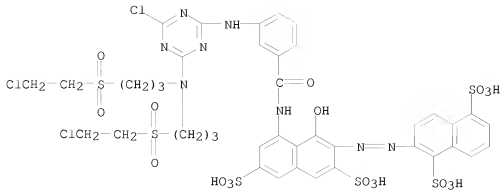
RN 163154-07-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2,5-disulfophenyl)diazenyl]-4-hydroxy- (CA INDEX NAME)



RN 163154-08-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(1-sulfo-2-naphthalenyl)diazenyl]- (CA INDEX NAME)



RN 163154-09-4 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, 2-[2-[8-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)



RN 163154-10-7 CAPLUS
CN 1,3,5-Naphthalenetrisulfonic acid, 6-[2-[8-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]diazenyl]- (CA INDEX NAME)

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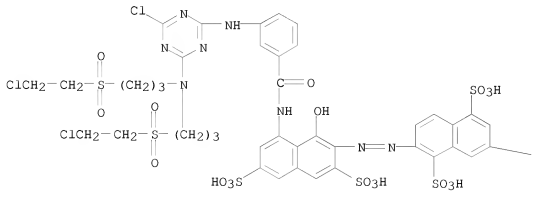
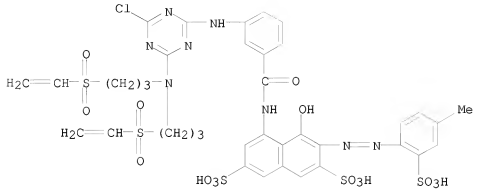


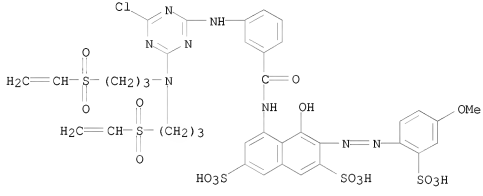
PAGE 1-B

RN 163154-11-8 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methyl-2-sulfophenyl)diazenyl]-

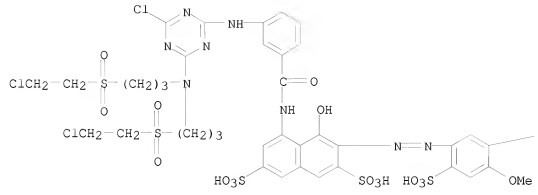
(CA INDEX NAME)



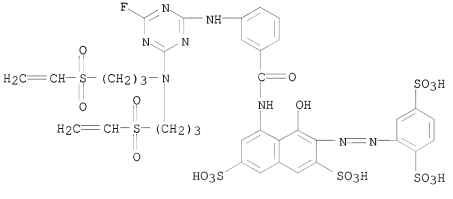
RN 163154-12-9 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methoxy-2-sulfophenyl)diazenyl]- (CA INDEX NAME)



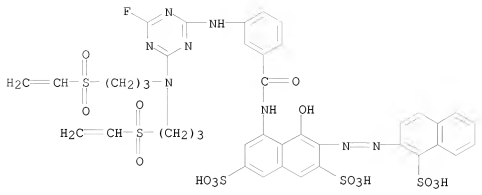
RN 163154-13-0 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-[(2-chloroethyl)sulfonyl]propyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(4-methoxy-2,5-disulfophenyl)diazenyl]- (CA INDEX NAME)



RN 163154-31-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[2-(2,5-disulfophenyl)diazenyl]-4-hydroxy- (CA INDEX NAME)



RN 163154-32-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4-[bis[3-(ethenylsulfonyl)propyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-3-[2-(1-sulfo-2-naphthalenyl)diazenyl]- (CA INDEX NAME)



L3 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:188429 CAPLUS
DOCUMENT NUMBER: 108:188429
ORIGINAL REFERENCE NO.: 108:30961a,30964a
TITLE: Monoazo dyes containing triazinyl, sulfonic acid, and basic groups
INVENTOR(S): Pedrazzi, Reinhard
PATENT ASSIGNEE(S): Sandoz A.-G., Switz.
SOURCE: Brit. UK Pat. Appl., 23 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2191210	A	19871209	GB 1987-13016	19870603
GB 2191210	B	19900516		
CH 672923	A5	19900115	CH 1987-2083	19870602
FR 2599747	A1	19871211	FR 1987-7868	19870604
FR 2599747	B1	19881110		
JP 62292860	A	19871219	JP 1987-140126	19870605
JP 2525813	B2	19960821		
US 4875903	A	19891024	US 1987-58434	19870605

PRIORITY APPLN. INFO.: DE 1986-3619198 A 19860607
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [R1 = H, (un)substituted C1-4 alkyl; X1, X3 = halogen, OH, NH2, C1-4 alkyl, C1-4 alkoxy, Ph, PhO, aliphatic amino, cycloaliph. amino, aromatic amino, heterocyclic amino; X2, X4 = aliphatic amino, cycloaliph. amino, aromatic amino, heterocyclic amino; m = 0, 1; n1, n2 = 0, 1 such that n1 + n2 = 1 or 2] are prepared and are useful for dyeing or printing of HO group or N-containing organic substrates or leather or for the manufacture of inks. Thus, 2,4-bis(3-N,N-diethylaminopropylamino)-6-chlorotriazine (II) was condensed with 1,4-(H2N)2C6H3SO3H-2, the condensate diazotized and coupled with the condensation product of II and 1-(3-aminobenziaido)-8-hydroxy-3,6-naphthalenedisulfonic acid to give III, which was very soluble in acid to weakly alkaline aqueous media and which, in acid addition salt form, dyed paper in a fast, brilliant violet shade.

IT 114192-38-0P
RL: PREP (Preparation)
(manufacture of, as violet dye for paper)

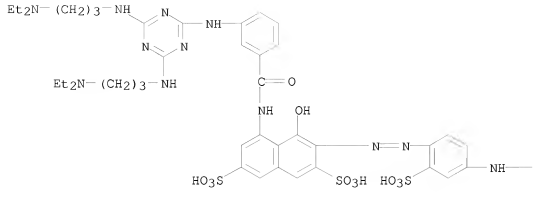
RN 114192-38-0 CAPLUS

CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[[4-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-4-hydroxy-, monoformate (salt) (9CI) (CA INDEX NAME)

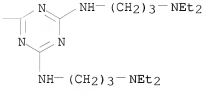
CM 1

CRN 113722-68-2
CMF C57 H85 N19 O11 S3

PAGE 1-A

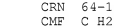


PAGE 1-B



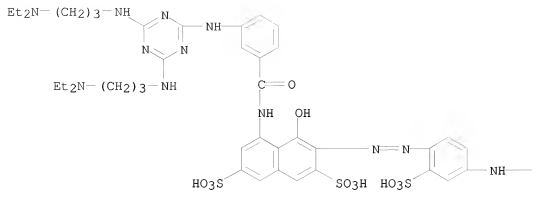
CM 2

CRN 64-18-6
CMF C H2 O2

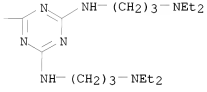


IT 113722-68-2P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and neutralization of, with acids, as violet dye for paper)
RN 113722-68-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[[4-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-4-hydroxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L3 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:152143 CAPLUS
DOCUMENT NUMBER: 108:152143
ORIGINAL REFERENCE NO.: 108:24984h,24985a
TITLE: Triazine-containing monoazo dyes for paper, leather, or textiles
INVENTOR(S): Pedrazzi, Reinhard
PATENT ASSIGNEE(S): Sandoz-Patent-G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 24 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

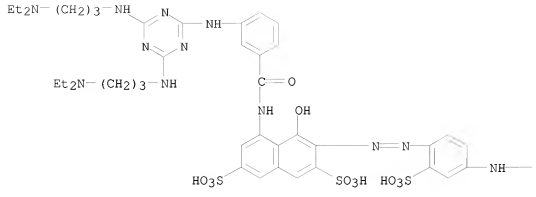
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3717869	A1	19871210	DE 1987-3717869	19870527
CH 672923	A5	19900115	CH 1987-2083	19870602
FR 2599747	A1	19871211	FR 1987-7868	19870604
FR 2599747	B1	19881110		
JP 62292860	A	19871219	JP 1987-140126	19870605
JP 2525813	B2	19960821		
US 4875903	A	19891024	US 1987-58434	19870605

PRIORITY APPLN. INFO.: DE 1986-3619198 A1 19860607
OTHER SOURCE(S): CASREACT 108:152143
GI

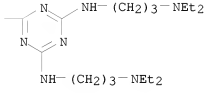
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [R1 = H, (un)substituted C1-4 alkyl; X1, X3 = halogen, OH, NH2, alkyl, alkoxy, Ph, PhO or X1, X2 = aliphatic, cycloaliph., aromatic, and heterocyclic amino all of which can can form (quaternary) ammonium group; X2, X4 = aliphatic, cycloaliph., aromatic, and heterocyclic amino all of which can form (quaternary) ammonium group; m = 0, 1; n, p = 0, 1; such that n + p = 1 or 2], useful for the manufacture of inks, for the dyeing of glass or glass products, and for the dyeing or printing of paper, leather, or textile materials, are prepared Thus, 2,4-bis[3-(N,N-diethylamino)propylamino]-6-chlorotriazine (II) was condensed with 1,4-diamino-2-benzenesulfonic acid, the intermediate diazotized and coupled with the condensate formed from II and 1-(3-aminobenzoylamino)-8-hydroxy-3,6-naphthalenedisulfonic acid, forming III, which dyed paper in a brilliant, fast violet shade.
IT 113722-68-2P
RL: PREP (Preparation)
(manufacture of, as violet dye)
RN 113722-68-2 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[[3-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-3-[[4-[[4,6-bis[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-4-hydroxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L3 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1987:157966 CAPLUS
DOCUMENT NUMBER: 106:157966
ORIGINAL REFERENCE NO.: 106:25718h,25719a
TITLE: Reactive disazo dyes
INVENTOR(S): Hibara, Toshio
PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61272270	A	19861202	JP 1985-113197	19850528

PRIORITY APPLN. INFO.: JP 1985-113197 19850528
GI

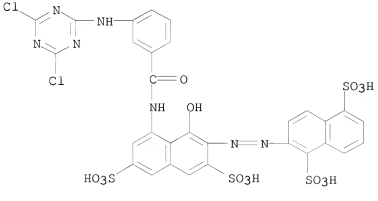
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I (R = benzene or naphthalene moiety; R1 = H, alkyl; R2, R3 = H, alkyl, alkoxy, halo, SO3M; Z = aromatic or aliphatic group; M = H, alkali metal), useful for 1-step dyeing of cellulose-polyester fiber blends, are prepared II was condensed with 1,4-(H2N)2C6H4 followed by reaction with 3-H2NC6H4SO2(CH2)2OSO3H forming III (Z1 = p-C6H4), λmax (H2O) 517 nm, which was used for dyeing a cotton-polyester blend in one bath with anthraquinone dyes.

IT 107881-71-0
RL: USES (Uses)
(condensation of, with diamines, reactive disazo dyes from)

RN 107881-71-0 CAPLUS

CN 1,5-Naphthalenedisulfonic acid, 2-[[8-[[3-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]benzoyl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]azo]- (9CI) (CA INDEX NAME)



IT 107881-50-5P 107881-55-0P 107881-56-1P
107881-62-9P 107900-66-3P
RL: PREP (Preparation)
(manufacture of, as reactive dye for cotton-polyester blends)

RN 107881-50-5 CAPLUS

CN 1,5-Naphthalenedisulfonic acid, 2,2'-[1,2-ethanediylbis[imino[6-[[3-[[2-

(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazine-4,2-diyl]imino-3,1-phenylenecarbonylimino(8-hydroxy-3,6-disulfo-1,7-naphthalenediyl)azo]]bis- (9CI) (CA INDEX NAME)

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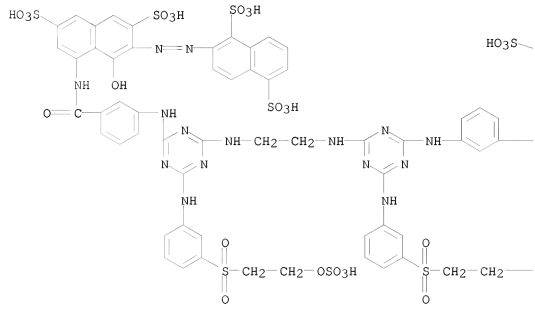

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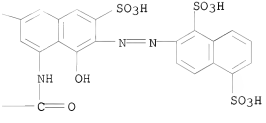

RN 107881-55-0 CAPLUS
CN Benzoic acid, 3,5-bis[[4-[[3-[[[8-hydroxy-3,6-disulfo-7-[(2-sulfophenyl)azo]-1-naphthalenyl]amino]carbonyl]phenyl]amino]-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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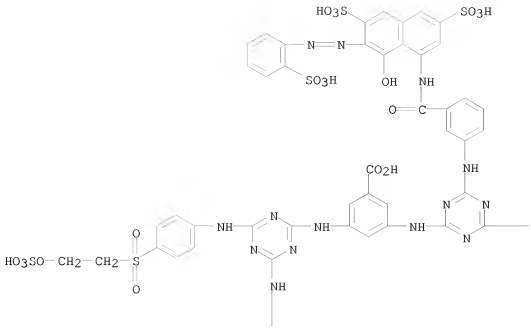

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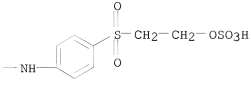

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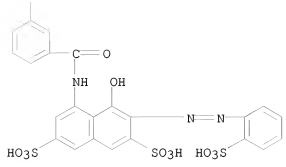

RN 107881-56-1 CAPLUS
CN 1,7-Naphthalenedisulfonic acid, 4,4'-[1,4-butanediylbis[imino[6-[[3-chloro-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazine-4,2-diyl]imino]-3,1-phenylenecarbonylimino]]bis[5-hydroxy-6-[(2-sulfophenyl)azo]- (9CI) (CA INDEX NAME)

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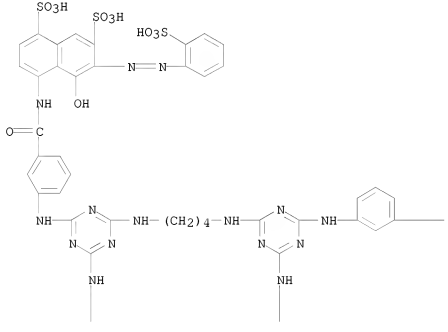

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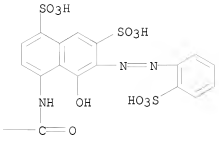

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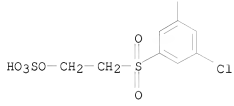

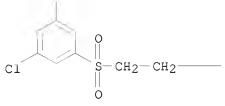

PAGE 2-B

RN 107881-62-9 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 4,4'-[1,2-phenylenebis[imino[6-[ethyl[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazine-4,2-diyl]imino]-3,1-phenylenecarbonylimino]]bis[5-hydroxy-6-[(4-methoxy-2-sulfophenyl)azo]- (9CI) (CA INDEX NAME)

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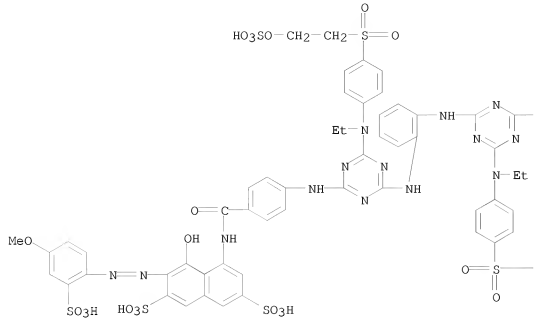

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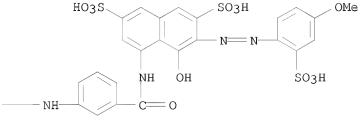
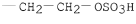
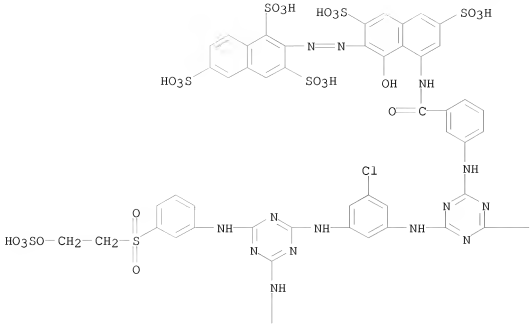




RN 107900-66-3 CAPLUS
CN 1,3,6-Naphthalenetrisulfonic acid, 2,2'-[(5-chloro-1,3-phenylene)bis[imino[6-[[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazine-4,2-diyl]imino-3,1-phenylenecarbonylimino(8-hydroxy-3,6-disulfo-1,7-naphthalenediyl)azo]]bis- (9CI) (CA INDEX NAME)

PAGE 1-A



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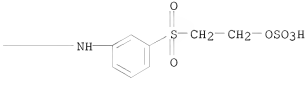
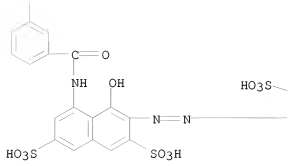


PAGE 2-A



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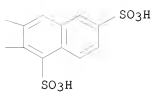

IT 107881-73-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with anilines, reactive disazo dyes from)
RN 107881-73-2 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, 2,2'-[1,2-ethanediylbis[imino(6-chloro-1,3,5-triazine-4,2-diyl)imino-3,1-phenylenecarbonylimino(8-hydroxy-3,6-disulfo-1,7-naphthalenediyl)azo]]bis- (9CI) (CA INDEX NAME)

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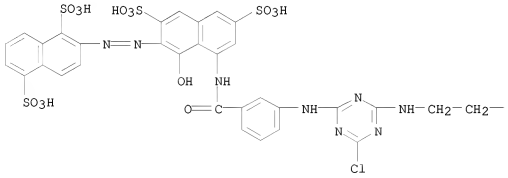
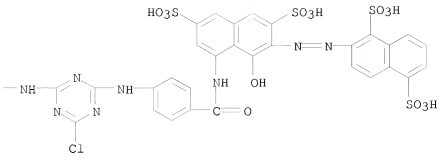


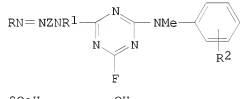

HO3S
SO3H
SO3H
N=N
NH
OH
NH
NH
C=O
SO3H
N
N
N
Cl

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1979:440895 CAPLUS
DOCUMENT NUMBER: 91:40895
ORIGINAL REFERENCE NO.: 91:6665a,6668a
TITLE: Fiber-reactive azo dyes
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Belg., 25 pp.
CODEN: BEXXAL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 870356	A1	19790312	BE 1978-190381	19780911
CH 635859	A5	19830429	CH 1978-7840	19780720
FR 2402687	A1	19790406	FR 1978-26028	19780911
FR 2402687	B1	19800905		
BR 7805897	A	19790502	BR 1978-5897	19780911
CA 1111025	A1	19811020	CA 1978-311074	19780911
GB 2003911	A	19790321	GB 1978-36529	19780912
GB 2003911	B	19820407		
JP 54050529	A	19790420	JP 1978-111379	19780912
JP 60018703	B	19850511		
AU 7839776	A	19800320	AU 1978-39776	19780912
CS 196434	B2	19800331	CS 1978-5876	19780912
US 4866162	A	19890912	US 1986-914556	19861002

PRIORITY APPLN. INFO.:
LU 1977-78115 A 19770912
US 1978-940687 A1 19780908
US 1980-179318 A1 19800818
US 1982-408564 A1 19820816
US 1984-604803 A1 19840427
US 1985-728112 A1 19850429

GI



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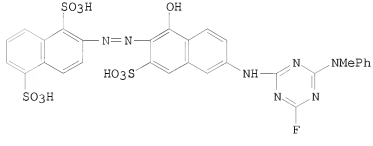


II

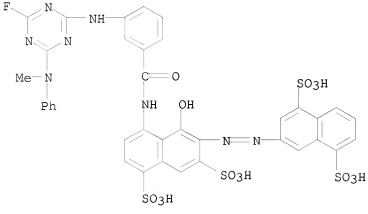
AB Fiber-reactive azo dyes (I; R = naphthalene residue; Z = coupler residue; R1 = H, Me; R2 = H, Me, Et) or their metal complexes are prepared and used to dye cotton fast orange to red shades. Thus, 1,5,2-(NaO3S)2C10H5NH2 → 2,4,7-(NaO3S)(HO)C10H5NH2 [41131-49-1] was treated with cyanuric

fluoride [675-14-9] and, on completion of condensation, was treated with N-methylaniline [100-61-8] to give II [70571-70-9], dyeing cotton a fast orange shade.

IT 70266-41-0
RL: TEM (Technical or engineered material use); USES (Uses)
(dye, for cotton, preparation of)

RN 70266-41-0 CAPLUS

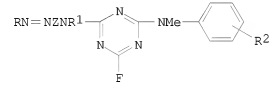
CN 1,5-Naphthalenedisulfonic acid, 3-[[8-[[3-[[4-fluoro-6-(methylphenylamino)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,5-disulfo-2-naphthalenyl]azo]- (9CI) (CA INDEX NAME)



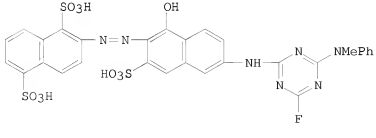
L3 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1979:205776 CAPLUS
DOCUMENT NUMBER: 90:205776
ORIGINAL REFERENCE NO.: 90:32749a,32752a
TITLE: Azo dyes
INVENTOR(S): Seiler, Herbert; Hegar, Gert
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Ger. Offen., 30 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2839209	A1	19790315	DE 1978-2839209	19780908
DE 2839209	C2	19860724		
CH 635859	A5	19830429	CH 1978-7840	19780720
FR 2402687	A1	19790406	FR 1978-26028	19780911
FR 2402687	B1	19800905		
BR 7805897	A	19790502	BR 1978-5897	19780911
CA 1111025	A1	19811020	CA 1978-311074	19780911
GB 2003911	A	19790321	GB 1978-36529	19780912
GB 2003911	B	19820407		
JP 54050529	A	19790420	JP 1978-111379	19780912
JP 60018703	B	19850511		
AU 7839776	A	19800320	AU 1978-39776	19780912
CS 196434	B2	19800331	CS 1978-5876	19780912
US 4866162	A	19890912	US 1986-914556	19861002
PRIORITY APPLN. INFO.:			LU 1977-78115 A	19770912
			US 1978-940687 A1	19780908
			US 1980-179318 A1	19800818
			US 1982-408564 A1	19820816
			US 1984-604803 A1	19840427
			US 1985-728112 A1	19850429

GI



I



II

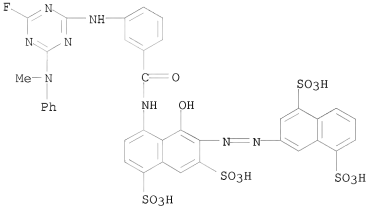
AB Azo reactive dyes (I; R = naphthalene residue; R1 = H, Me; R2 = H, Me, Et; Z = coupling component residue) and their metal complexes were prepared and

used to dye cellulosic textiles fast yellow to red shades. Thus, 1,5,2-(NaO3S)2C10H5NH2 → 1,3,6-HO(NaO3S)C10H5NH2 [41131-49-1] was treated successively with 2,4,6-trifluoro-1,3,5-triazine [675-14-9] and MeNPh [100-61-8] to give II [70239-79-1], which dyed cellulose fibers reddish orange shades. Other I were similarly prepared

IT 70266-41-0
RL: TEM (Technical or engineered material use); USES (Uses)
(dye, for cotton, preparation of)

RN 70266-41-0 CAPLUS

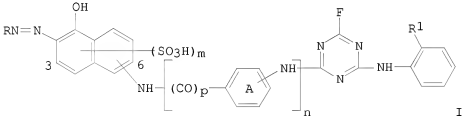
CN 1,5-Naphthalenedisulfonic acid, 3-[[8-[[3-[[4-fluoro-6-(methylphenylamino)-1,3,5-triazin-2-yl]amino]benzoyl]amino]-1-hydroxy-3,5-disulfo-2-naphthalenyl]azo]- (9CI) (CA INDEX NAME)



L3 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:137887 CAPLUS
DOCUMENT NUMBER: 88:137887
ORIGINAL REFERENCE NO.: 88:21683a,21686a
TITLE: Fiber-reactive azo dyes
INVENTOR(S): Seiler, Herbert; Hegar, Gert
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Ger. Offen., 33 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 2731258	A1	19780119	DE 1977-2731258		19770711
CA 1097621	A1	19810317	CA 1977-282331		19770708
CH 629839	A5	19820514	CH 1977-8482		19770708
BE 856677	A1	19780111	BE 1977-179232		19770711
FR 2358450	A1	19780210	FR 1977-21340		19770711
FR 2358450	B1	19800104			
JP 53022526	A	19780302	JP 1977-82624		19770712
JP 60011066	B	19850322			
CS 191197	B2	19790629	CS 1977-4643		19770712
GB 1566814	A	19800508	GB 1977-29305		19770712
PRIORITY APPLN. INFO.:			LU 1976-75367	A	19760712
			LU 1977-77492	A	19770606

GI



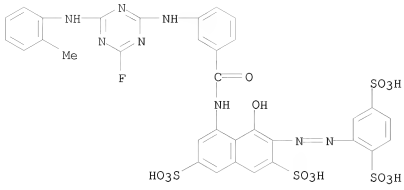
I

AB Fiber-reactive dyes I(R = benzene, naphthalene residue, optionally substituted; R1 = C1-4 alkyl, alkoxy, CO2H, halogen; A may be substituted; m = 1, 2; n = 0, 1; p = 0, 1) are prepared and used to dye cellulosic fibers fast orange to violet shades. Thus, 3,6,8,2-(NaO3S)3C10H4NH2→1,3,6-HO(NaO3S)C10H5NH2 [65883-18-3] was treated with 2,4,6-trifluoro-1,3,5-triazine [675-14-9], the resulting difluorotriazine derivative condensed without isolation with 1-amino-2-methylbenzene [95-53-4], and salted to give the tetra-Na salt [65883-19-4] of I[R = 3,6,8,2-(HO3S)3C10H4, R1 = Me, n = 0, m = 1 (3-position), NH bond in 6-position].

IT 65883-16-1
RL: TEM (Technical or engineered material use); USES (Uses)
(dye, for cellulosic fibers, preparation of)

RN 65883-16-1 CAPLUS

CN 2,7-Naphthalenedisulfonic acid, 3-[(2,5-disulfophenyl)azo]-5-[[3-[[4-fluoro-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]benzoyl]amino]-4-hydroxy-, tetrasodium salt (9CI) (CA INDEX NAME)

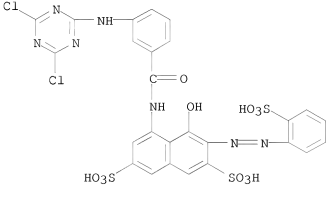


● 4 Na

L3 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1964:39214 CAPLUS
DOCUMENT NUMBER: 60:39214
ORIGINAL REFERENCE NO.: 60:6959c-e
TITLE: Azo dyes containing active groups
INVENTOR(S): Ischer, Hans; Siegrist, Hans
PATENT ASSIGNEE(S): Sandoz Ltd.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 370855		19630913	CH 1958-64114	19580919
PRIORITY APPLN. INFO.:			CH	19580919

GI For diagram(s), see printed CA Issue.
AB Compds. of the general formula I, where R is ClCH2CO (II) or 4,6-dichloro-s-triazin-2-yl (III) dye wool and synthetic polyamides bright red shades from a weakly acid to neutral bath, and cellulose from a weakly alkaline bath. Thus, 2-HO3SC6H4NH2 17.3 was diazotized and coupled with 1-[3-(2-chloroacetamido)benzamido]-8-hydroxy-3,6-naphthalenedisulfonic acid 51.5 in H2O 400 parts. After bringing the pH to 7.0 with NaHCO3, II was salted out, filtered, and vacuum-dried at 40-50° to a H2O-soluble red powder. III was prepared similarly.
IT 101919-11-3P, 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(o-sulfophenyl)azo]-
RL: PREP (Preparation)
(preparation of)
RN 101919-11-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(o-sulfophenyl)azo]- (7CI) (CA INDEX NAME)



L3 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1962:456784 CAPLUS
DOCUMENT NUMBER: 57:56784
ORIGINAL REFERENCE NO.: 57:11345b-d
TITLE: Triazinyl azo dyes
INVENTOR(S): Stephen, William E.
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3004022		19611010	US 1958-709453	19580117
PRIORITY APPLN. INFO.:			GB	19570123

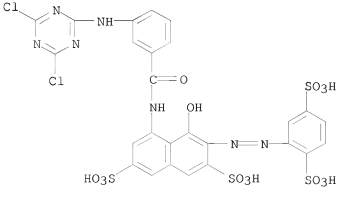
GI For diagram(s), see printed CA Issue.

AB Triazinyl azo dyes for the production of fast red colors on textile materials were prepared Cyanuric chloride 18.6 was condensed with 1-(3-aminobenzamido)-8-naphthol-3,6-disulfonic acid di-Na salt 48.2 and treated with diazotized 2-H2NC6H4SO3H 16.45 parts to give the dye (Ia), containing 1.88 organic bound Cl atoms for each azo group. Cotton padded with aqueous Ia, dried, passed through 1% aqueous NaOH saturated with salt, and steamed 1 hr. was dyed bluish red color of good fastness to severe washing and to light. Similarly were prepared I (A, A', X, Y, and R given): SO3H, H, SO3H, H, H; SO3H, H, Cl, Me, H; SO3H, H, H, H, Bu; H, SO3H, H, H, H, and the p-triazinyl analog of Ia, which dyed cotton in bluish red, bluish red. reddish orange, yellowish red, and yellowish red shades, resp.

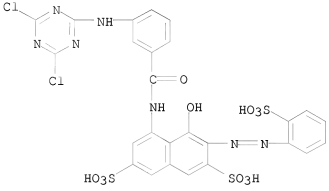
IT 101919-09-9P, 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-3-[(2,5-disulfophenyl)azo]-4-hydroxy- 101919-11-3P, 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(o-sulfophenyl)azo]- 101942-07-8P, 1,7-Naphthalenedisulfonic acid, 4-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-5-hydroxy-6-[(o-sulfophenyl)azo]- 102290-81-3P, 2,7-Naphthalenedisulfonic acid, 3-[(5-chloro-2-sulfo-p-tolyl)azo]-5-[m[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy- 106866-67-5P, 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(1-sulfo-2-naphthyl)azo]- RL: PREP (Preparation)
(preparation of)

RN 101919-09-9 CAPLUS

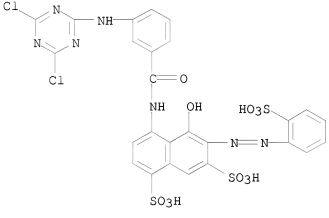
CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-3-[(2,5-disulfophenyl)azo]-4-hydroxy- (7CI) (CA INDEX NAME)



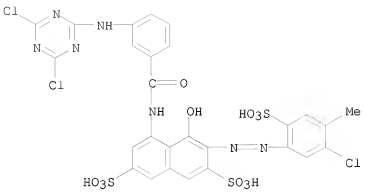
RN 101919-11-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(o-sulfophenyl)azo]- (7CI) (CA INDEX NAME)



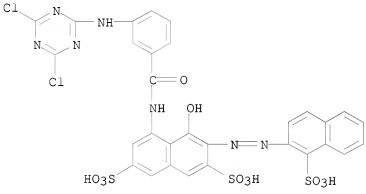
RN 101942-07-8 CAPLUS
CN 1,7-Naphthalenedisulfonic acid, 4-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-5-hydroxy-6-[(o-sulfophenyl)azo]- (7CI) (CA INDEX NAME)



RN 102290-81-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 3-[(5-chloro-2-sulfo-p-tolyl)azo]-5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy- (7CI) (CA INDEX NAME)



RN 106866-67-5 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(1-sulfo-2-naphthyl)azo]- (7CI) (CA INDEX NAME)



L3 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1960:94503 CAPLUS
DOCUMENT NUMBER: 54:94503
ORIGINAL REFERENCE NO.: 54:17895a-e
TITLE: Monoazo triazine dyes
INVENTOR(S): Stephen, Wm. E.
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 829042		19600224	GB 1957-2412	19570123
DE 1081988			DE	

GI For diagram(s), see printed CA Issue.

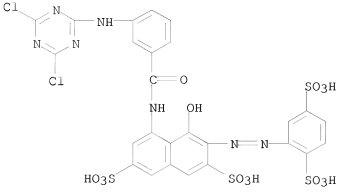
AB Dyes of structure 1,2,8-HO(AN:N)[N:C(X).N:C(X).N:CNHQC(:O)N(R)]C10H5, in which A is aryl and which may be substituted, R is H or a small n-alkyl group, Q is m- or p-phenylene which may be substituted with Me, and X is halogen, are useful for coloring silk, wool, regenerated protein and cellulose from aqueous solns. containing a basic material to give fast level red shades of good wash-and light-fastness. Cyanuric chloride (I) (18.6 parts) in 100 parts acetone is suspended in a solution of 200 parts H2O, 300 parts ice and 2 parts 2N HCl, the suspension treated over 40 min. with a solution of 48.2 parts di-Na 1-(3-aminobenzamido)-8-naphthol-3,6-disulfonate (II) in 240 parts H2O made alkaline to Brilliant Yellow paper with Na2CO3 at 0-5°, the mixture stirred 2-3 hrs. until no I is present, the suspension treated with 16.45 parts diazotized aniline-2-sulfonic acid (III), the mixture stirred at 0-5°, Na2CO3 added to bring the pH to 5, NaCl added at the rate of 15 lbs./10 gal. mixture, addnl. Na2CO3 added over 2 hrs. to bring the pH to 7.5, the mixture treated with a solution of 7.0 parts Na2HPO4 and 12.5 parts KH2PO4 in 100 parts H2O, stirred 30 min., filtered, and the residue dried to give a dye containing 1.88 organic bound Cl atoms/azo group. The dye colors cotton bright bluish red. Replacement of III with 24.0 parts aniline-2,5-disulfonic acid and using 20 lb. NaCl/10 gal. gives a dye containing 2.0 organic Cl atoms which dyes in slightly yellower shades. Replacement of II with 48.2 parts di-Na 1-(4-aminobenzamido)-8-naphthol-3,6-disulfonate gives a dye containing 1.9 organic Cl atoms which colors cotton bright bluish red. Use of 48.2 parts di-Na 1-(3-aminobenzamido)-8-naphthol-4,6-disulfonate in place of II gives a dye containing 2 Cl atoms which colors cotton yellower shades. I (19 parts), 48.2 parts II, and 21.05 parts diazotized 5-chloro-4-methylaniline-2-sulfonic acid give a dye containing 1.96 Cl atoms and which dyes cotton bright bluish red. I (18.6 parts) and 73.4 parts of the tri-Na salt of the dye formed by coupling diazotized III with 1-(3-amino-N-butylbenzamido)-8-naphthol-3,6-disulfonic acid give a dye containing 2.0 Cl atoms which colors cotton reddish orange.

IT 101919-09-9P, 1-Naphthol-3,6-disulfonic acid, 8-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-2-(2,5-disulfophenylazo)- 101919-11-3P, 1-Naphthol-3,6-disulfonic acid, 8-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-2-(o-sulfophenylazo)- 101942-07-8P, 1-Naphthol-3,5-disulfonic acid, 8-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-2-(o-sulfophenylazo)- 102290-81-3P, 1-Naphthol-3,6-disulfonic acid, 2-(3-chloro-6-sulfo-p-tolylazo)-8-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-
RL: PREP (Preparation)
(preparation of)

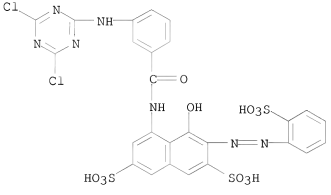
RN 101919-09-9 CAPLUS

CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-

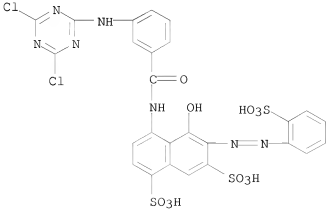
yl)amino]benzamido]-3-[(2,5-disulfophenyl)azo]-4-hydroxy- (7CI) (CA INDEX NAME)



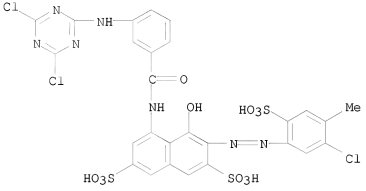
RN 101919-11-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy-3-[(o-sulfophenyl)azo]- (7CI) (CA INDEX NAME)



RN 101942-07-8 CAPLUS
CN 1,7-Naphthalenedisulfonic acid, 4-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-5-hydroxy-6-[(o-sulfophenyl)azo]- (7CI) (CA INDEX NAME)



RN 102290-81-3 CAPLUS
CN 2,7-Naphthalenedisulfonic acid, 3-[(5-chloro-2-sulfo-p-tolyl)azo]-5-[m-[(4,6-dichloro-s-triazin-2-yl)amino]benzamido]-4-hydroxy- (7CI) (CA INDEX NAME)



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     FILE 'REGISTRY' ENTERED AT 11:40:37 ON 03 SEP 2008
L1              STRUCTURE UPLOADED
L2          153 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 11:41:13 ON 03 SEP 2008
L3           12 S L2 FULL

=> logy
LOGY IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> y
Y IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> log y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                72.60     251.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -9.60      -9.60

STN INTERNATIONAL LOGOFF AT 11:50:21 ON 03 SEP 2008
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